CLAIMS

What is claimed is:

- 1. A rotary cam assembly comprising:
 - a rotary cam movable between a bending and a released position;
- a first actuator for moving said rotary cam between said bending position and said released position;
- a failsafe device for ensuring proper position of said rotary cam, said failsafe element comprising a rotatable element supported between first and second arms, and an actuator applying force directly to said rotatable element for moving said rotary cam to a desired position.
- 2. The assembly as recited in claim 1, wherein said actuator comprises a cam surface engageable with said rotatable member.
- 3. The assembly as recited in claim 1, wherein said second actuator comprises a hydraulic cylinder.
- 4. The assembly as recited in claim 1, wherein said second actuator comprises a pneumatic cylinder.
- 5. The assembly as recited in claim 1, wherein said second actuator comprises a gas cylinder.

- 6. The assembly as recited in claim 1, wherein said rotatable element comprises a roller supported on a shaft, said shaft supported at distal ends by said first and second arms.
- 7. The assembly as recited in claim 6, wherein said rotatable element comprises a ball.
- 8. The assembly as recited in claim 6, wherein said rotatable element comprises a block with a heel surface for engaging said second actuator.
- 9. The assembly as recited in claim 1, wherein said first and second arms comprise a radial surface supported on a corresponding radial support, said first and second arms rotatable on said radial support for moving said rotary cam to said desired position.
- 10. The assembly as recited in claim 9, wherein said first and second arms comprise corresponding slots and said rotatable element is supported on a pivot pin movable within said slots.
- 11. The assembly as recited in claim 10, wherein said rotatable element comprises a block rotatable about said pivot pin, and a guide channel for guiding said block.

12. The assembly as recited in claim 11, wherein said block comprises guide balls guiding within said guide channel.

- 13. A rotary cam assembly comprising:
 - a rotary cam movable between bending and released positions;
- a first actuator for moving said rotary cam between bending and engaged positions; and
- a second actuator biasing said rotary cam toward said engaged position for ensuring said rotary cam moves to said engaged position regardless of a condition of said first actuator.
- 14. The assembly of claim 13, comprising first and second arms attached for rotation with said cam, and a rotatable element supported between said first and second arms.
- 15. The assembly of claim 13, wherein said second actuator applies a biasing force directly to said rotatable element.
- 16. The assembly of claim 13, comprising a pivot pin supporting said rotatable element between said actuator and said first and second arms.
- 17. The assembly of claim 16, wherein said first and second arms comprise corresponding slots and said pivot pin is movable within said slots.
- 18. The assembly of claim 17, comprising a guide block attached to said rotatable element to maintain a desired orientation to said second actuator.

- 19. The assembly of claim 18, wherein said guide block comprises guide balls moving within guide slots.
- 20. The assembly of claim 17, wherein said first and second arms include a radial bearing surface on which said first and second arms rotate for moving said cam to said engaged position.
- 21. The assembly of claim 15, wherein said second actuator comprises a gas spring.